Data Sheet

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FUJITSU COMPUTERS SIEMENS

Econel 200 S2

Dual socket Intel® Xeon® Server – Economical and easy data security combined with Dual-Core Xeon® performance

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Fujitsu Siemens Computers Econel servers are the best choice when funds are limited but server availability, performance, and uncomplicated operation are important. Econel only uses "server-certified components" developed and tested for round-the-clock operation. In addition, a server must ensure that only the right data is delivered to your client network. Econel servers ensure data security through ECC memory protection and integrated RAID disk mirroring.

The latest processor generation combined with innovative air flow cooling technology ("Cool-safe™") assures a long life and the highest possible performance at work. And as your business grows, so do our Economy Servers, providing plenty of headroom for expansion so that you benefit longer from your investments in Fujitsu Siemens Computers tower servers.

Uncomplicated operation is also important: Econel "easy change" design principles make it possible for you to install or replace components such as memory, drives, and devices without technical expertise. And of course, the renowned and dependable Server quality is ensured by applying the full set of PRIMERGY testing procedures to the Econel servers.

PRIMERGY Econel 200 S2

The Econel 200 S2 provides an inexpensive platform for those who demand for powerful Dual-Core Intel® Xeon® processor of the latest generation, combined with reliable data security features. Starting with one, server optimized, Intel® Xeon® processor grants performance headroom for growing business demands and extended life cycle.
The Econel 200 S2 delivers performance, ease of use and expandability at an interesting price level. The Dual-Core Xeon® processor combined with Intel® 5000V chipset supporting EM64 Technology. Proven server features ranging from ECC, memory scrubbing and SDDC support to RAID 1 (mirroring) controller onboard protect your data against loss and falsification.
With the serial-ATA hard disk "easy change" technology, you have the option of configuring double disk security at low cost.
The enclosed delivered PRIMERGY ServerView Suite offers the easiest way to get the system ready for your operation. All installation items are guided step by step for up to date and easy configuration.
With the S2 Generation of Econel 200 the noise level is down to only 35 db (A) for comfortable silence.

intel Xeon inside™

Key Features	Benefits
■ Dual-Core Intel® Xeon® 5000 sequence 2x 2 / 4 MB SLC up to 4 SATA "easy change" hard disks, registered ECC PC2-4200F FullyBuffered DIMM RAM, 2x PCI-Express, 3x PCI-X und 1x PCI I/O slots	■ Higher overall productivity through outstanding Dual-Core performance with faster FSB, larger L2 cache etc and extended 64-bit address space and therefore more direct useable memory and performance ■ Low running cost in operation ■ Power and capacity to grow with your business demands
■ mirror (RAID 1) for SATA disks integrated, ECC (Error correction code), memory scrubbing, SDDC support for high data availability ■ ServerView Suite	■ Server proven components and data safety from memory to disk ■ Easy to install and manage

Type	Dual Socket Economy Server
System board	D2530
Chipset	Intel® 5000V
Processors	Dual-Core Intel® Xeon® (1 - 2)
Frequencies (GHz)	5050 (3.00) or 5110 (1.60) / 5130 (2.00)
Front-Side-Bus	667 / 1066 / 1333 MHz
Second-Level-Cache	2x 2 / 4 Mbyte (5100 Serie), ECC
Memory (modules)	512 Mbyte - 8 Gbyte registered ECC PC2-4200F FullyBuffered DIMM RAM; Mix and match possible; onboard components limit the available memory array
Flash-EPROM	
Local BIOS update from floppy disk (option) or USB; Remote BIOS update via LAN (Global Flash tool).	
Interfaces	
Serial	1 x RS-232-C (9-pin)
Keyboard, mouse	2 x PS/2
USB 2.0	2x USB (rear side) 2x USB (front side) 2x internal for backup drives
LAN	1 x RJ45
Graphics	1 x VGA
Onboard controller**	
IDE	1 Port Fast IDE ATA100; 2 channel for DVD-ROM and other accessible drives
Intel® ESB2 Chipset	LSI SATA SW-RAID 0, 1, 10
LAN Intel® 82564EB onboard	Fast Ethernet 10/100/1000 Mbit (PCE-Boot via LAN from PXE server)
Graphics controller	ATI ES1000, 32 MB onboard
Floppy disk drive option	3.5 inch, 1.44 Mbyte
DVD-ROM drive	5.25 inch, option
Hard disk drive	Up to 4 x 80, 160, 250, 500 Gbyte (SATA) easy change
1 Gbyte equals one billion bytes when referring to hard disk drive capacity; accessible capacity may vary.	
I/O Slots	1 x PCI-Express (1x4 (phys. x8)) 1 x PCI-Express (1x8 (phys. x16)) 1 x PCI 32-bit / 33 MHz 3 x PCI-X 64-bit / 100 MHz (133MHz IOOP if only 1 Slot is occupied)
Drive bays	
for hard disks	4 x 3.5/1-inch, non hot-plug SATA
for accessible drives	3 x 5.25/1.6-inch free
Electrical values	
Power supply	Standard
Output power	560 W (600)
Rated voltage range	100 - 240V
Rated frequency	50 - 60Hz
Max. rated current	100 - 240V / 5 - 2.5 A
AC output	100 - 240V / 2 A
Rated current in basic configuration	100 - 240V / 1.5 - 0.6A
Active power	453 W
Apparent power	473 VA
Heat emission	1631 kJ/h (1546 btu/h)

Temperature/ noise/ dimensions/ weight	
Ambient temperature	10°C - 35°C (to IEC 721)
Sound power L_{WAd}	<= 5.3 B (ISO 9296)
sound pressure LpAm (+/- 4dB)	<= 35 dB (A) (ISO 9296)
Dimensions (HxWxD) mm	446 x 215 x 520
Weight (kg)	approximately 21 - 28
Compliance with Norm and Standards	
Product safety	
Global	IEC 60950
Europe	EN 60950
USA	UL 60950 3rd. Ed.
Canada	CAN/CSA-C22.2 No. 60950 3rd. Ed.
Electro magnetic compatibility	
Europe	EN 55 022 class B, EN 55024, EN61000-3-2 / -3
USA / Canada	FCC class A
Declaration of conformity	
Europe (CE)	89/336/EWG (EMV); 72/23 EEC (LVD)
North America	FCC Class A
Approvals	
Product safety	
Global	CB
Europe	CE
USA / Canada	CSA_{US} / CSA_{C}
There is general compliance with the safety requirements of all European countries and North America. National approvals required in order to satisfy statutory regulations or for other reasons can be applied for on request	
Planned operating systems	
Microsoft: Windows 2003 R2 Standard; Enterprise Edition Microsoft: Windows 2003 R2 Standard, Enterprise x64 Edition Microsoft: Windows 2003 Web Edition; Microsoft: Windows 2003 SBS R2 Standard / Premium Edition* SUSE: Linux ES 9 (x86 and EM64T) ES 10 (x86 and EM64T) Red Hat: EL 4 for x86 and EM64T	
* No application support **For supported controllers (onboard and PCI cards for SCSI, RAID, LAN, WAN, etc.), please refer to the corresponding system configurator.	
Server Management (see separate data sheets)	
Standard	PRIMERGY ServerView Suite; PDA, OS watchdog

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